THE

SEQUENCE LISTING

<110> Cheng, Modlin, Robert Vaidya, Sagar Doyle, Sean The Regents of the University of California <120> Methods for Stimulating TLR/IRF3 Pathways for Inducing Anti-Microbial, Anti-Inflammatory and Anticancer Responses <130> 02307K-154610US <140> US 10/512,124 <141> 2004-10-24 <150> US 60/375,489 <151> 2002-04-24 <150> WO PCT/US03/12751 <151> 2003-04-24 <160> 41 <170> PatentIn Ver. 2.1 <210> 1 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer RANTES 5' <400> 1 23 gcccacgtca aggagtattt cta <210> 2 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer RANTES 3' <400> 2 acacattgg cggttccttc 20 <210> 3 <211> 23 <212> DNA <213> Artificial Sequence

<223> Description of Artificial Sequence:quantitative

real-time PCR (Q-PCR) amplification primer Mx1 5'

<220>

<400>	3	
aaacct	gatc cgacttcact tcc	23
<210>	4	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:quantitative	
	real-time PCR (Q-PCR) amplification primer Mx1 3'	
<400>	4	
		24
Lyaccy	gtott caaggtttoo ttgt	24
<210>	5	
<211>	21	
<212>	DNA	
	Artificial Sequence	
(2137	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:quantitative	
	real-time PCR (Q-PCR) amplification primer IFI1 5'	
<400>	5	
		21
ccayaç	gcatg ggaaagaggt t	21
<210>	6	
<211>	22	
<212>	DNA	
	Artificial Sequence	
\Z1J/	Altilitat bequence	
.000		
<220>		
<223>	Description of Artificial Sequence:quantitative	
	real-time PCR (Q-PCR) amplification primer IFI1 3'	
<400>	6	
ccaaac	ectet gataggacae tg	22
009940	3 0000 3 0000 03	
0		
<210>	7	
<211>	19	
<212>	DNA	
	Artificial Sequence	
12137	The control of the co	
.000		
<220>		
<223>	Description of Artificial Sequence:quantitative	
	real-time PCR (Q-PCR) amplification primer IFI-204 5'	
<400>	7	
ttaact	gcaa tgggttcat	19
-010:	ō	
<210>		
<211>		
<212>	DNA	
<213>	Artificial Sequence	

<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IFI-204	3 '
<400> 8 agtgggatat tcattggttc gc	22
<210> 9 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IRF7 5'	
<400> 9 acagggcgtt ttatcttgcg	20
<210> 10 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IRF7 3'	
<400> 10 tccaagctcc cggctaagt	19
<210> 11 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IP-10 5	,
<400> 11 cctgcccacg tgttgagat	19
<210> 12 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IP-10 3	
<400> 12 tgatggtctt agattccgga ttc	23

```
<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:quantitative
      real-time PCR (Q-PCR) amplification primer ISG-15 5'
<400> 13
caggacggtc ttaccctttc c
                                                                    21
<210> 14
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:quantitative
      real-time PCR (Q-PCR) amplification primer ISG-15 3'
<400> 14
aggetegetg cagttetgta e
                                                                    21
<210> 15
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:quantitative
      real-time PCR (Q-PCR) amplification primer IFIT1 5'
<400> 15
ggcaggaaca atgtgcaaga a
                                                                    21
<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence:quantitative
      real-time PCR (Q-PCR) amplification primer IFIT1 3'
<400> 16
                                                                    20
ctcaaatgtg ggcctcagtt
<210> 17
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:quantitative
      real-time PCR (Q-PCR) amplification primer 18S 5'
```

<400> 17 ccgcggttct attttgttgg t	21
<210> 18 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer 18S 3'	
<400> 18 ctctagcggc gcaatacga	19
<210> 19 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IFN-beta 5'	
<400> 19 agctccaaga aaggacgaac at	22
<210> 20 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IFN-beta 3'	
<400> 20 gccctgtagg tgaggttgat ct	22
<210> 21 <211> 20 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IkappaBalpha 5'</pre>	
<400> 21	20

<210><211><212><213>	21	
<220> <223>	Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer IkappaBalpha 3'	
<400> cagcad	22 cccaa agtcaccaag t	21
<210><211><212><213>	26	
<220> <223>	Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer Beta Actin 5'	
<400> aggtgt	23 Egcac cttttattgg tctcaa	26
<210><211><212><212><213>	22	
<220> <223>	Description of Artificial Sequence:quantitative real-time PCR (Q-PCR) amplification primer Beta Actin 3'	
<400> tgtate	24 gaagg tttggtctcc ct	22
<210><211><211><212><213>	39	
<220> <223>	Description of Artificial Sequence: PCR amplification primer IRF3 (1-420)	
<400> caggad	25 etgat caaccatgga aaccccgaaa ccgcggatt	39
<210><211><212><212><213>	37	

<220>	
<pre><223> Description of Artificial Sequence:PCR amplification primer IRF3-DBD(133-420)</pre>	
<400> 26	37
caggacatcc atgcactccc aggaaaacct accgaag	37
<210> 27	
<211> 37	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:PCR amplification 3' primer	
<400> 27	
caggacgcgg ccgcgatatt ccagtggcct ggaagtc	37
<210> 28	
<211> 23	
<211> 23 <212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:PCR primer IL Forward	-6
<400> 28	
cacagaggat accactecca aca	23
<210> 29	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: PCR primer IL Reverse	-6
<400> 29	
tccacgattt cccagagaac a	21
<210> 30	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
	R3
<223> Description of Artificial Sequence:PCR primer TLM Forward	
	18

. .

<210>	31				
<211>	24				
<212>	DNA				
	Artificial Sequence				
12137	metriciar bequence				
000					
<220>					
<223>	Description of Artificial	Sequence: PCR	primer	TLR3	
	Reverse				
<400>	31				
				2	4
geege	ggac tctaaattca agat			. 2.	±
			1		
<210>	32				
<211>	21				
<212>					
<213>	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence: PCR	primer	TLR4	
	Forward				
. 4 0 0 -	3.3				
<400>					
agaaat	teet geagtgggte a			2	L
<210>	33				
<211>	24				
<212>					
<213>	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence: PCR	primer	TLR4	
	Reverse	-	_		
<400>	2.2				
				2	4
tctcta	acagg tgttgcacat gtca			2.	±
<210>	34				
<211>	21				
<212>					
<213>	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence: PCR	primer		
	TIRAP Forward	-	_		
<400>	3.4				
				2	-
caggca	iggct ctgttgaaga a			2	T
<210>	35				
<211>					
<212>					
<413>	Artificial Sequence				
<220>		_			
<223>	Description of Artificial	Sequence: PCR	primer		
	TIDAD Deverce				

<400> tgtgtg	ggctg tctgtgaacc a	2	21
<210><211><212><213>	22		
<220> <223>	Description of Artificial S MyD88 Forward	Sequence:PCR primer	
<400> catggt	36 Eggtg gttgtttctg ac	2	22
<220>	20	Sequence:PCR primer	
<400> tggaga	37 acagg ctgagtgcaa	2	20
<210><211><212><212><213>	20		
<220> <223>	Description of Artificial S ICAM1 Forward	Sequence:PCR primer	
<400> tgtcag	38 gecae tgeettggta	2	20
<210><211><211><212><213>	20		
<220> <223>	Description of Artificial S ICAM1 Reverse	Sequence:PCR primer	
<400> caggat	39 cctgg tccgctagct	2	20
<210><211><211>	19		

<213> Artificial Sequence

<220>		
<223>	Description of Artificial Sequence: PCR primer L32 Forward	
<400>	40	
aagcga	aaact ggcggaaac	19
<210>	41	
<211>	20	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:PCR primer L32 Reverse	
<400>	41	
taacco	gatgt tgggcatcag	20